

CLAIMS

1. A set comprising a battery charger and an element for connecting to the unit, the battery of which is to be charged, characterized in that the charge parameters of the charger are variable, in that the connection element (8) is removable from the charger (2), and in that it comprises means (28, 30) outside the charger, for automatically determining the electrical parameter(s) of the charge upon connecting the unit to the charger via the connection element.

2. The set according to claim 1, characterized in that the means for automatic determination of the parameter(s) of the charge is located in the connection element.

3. The set according to claim 1 or 2, characterized in that the means for automatic determination of the parameter(s) of the charge includes at least one electronic component such as a resistor.

4. The set according to claim 2, characterized in that the means for determining the parameters of the charge is located in the connector (10) of the connection element which is for cooperating with a complementary connector of the charger.

5. The set according to claim 2, characterized in that the means for automatic determination of the parameter(s) of the charge is located in the cable of the connection element or in a connector for cooperating with a complementary connector of the unit to be charged (6).

6. A battery charger characterized in that it includes means for varying the charge parameters and in that it includes at least one input (34, 36, 38, 40) for receiving an element or signal for determining this (these) parameter(s).

7. The battery charger according to claim 6, characterized in that the input for receiving a signal for determining the parameter(s) of the charge forms an input of a connector for cooperating with a complementary connector (10) of an element for connecting to the unit to be charged.

8. A connection element (8) for connecting a battery charger to a battery unit, characterized in that, as it is removable from the charger, it includes at least one component (28, 30) for determining, in the charger, the parameter(s) of the charge of the battery unit to which it is to be connected.

9. The connection element according to claim 8, characterized in that the means for determining the parameter(s) of the charge, includes at least one electronic component such as a resistor, the terminals of which are to be connected to the charger via the connector of this connection element.

10. A battery unit which may be connected to a battery charger through a connector, characterized in that it comprises a means for automatically determining the electrical parameters of the charge generated by the charger upon connecting the unit to the charger via the connector.

11. The battery unit according to claim 10, characterized in that it contains one (or several) electronic component(s) such as a resistor, connected to a pair of terminals and which thus by connection belongs to the electrical circuit of the battery charger and determines the charge parameter(s) of the charger.

12. The set according to any of claims 1 to 5, characterized in that it is for charging the battery of a portable telephone.